Subject Index

Volume 42

acetic acid, chemical carcinogenesis, mouse skin, tumor progression, 87

O⁶-alkylguanine, zinc-deficiency, nitrosamine, DNA methyltransferase, 217

anticancer drugs, macrophages, cytotoxicity, oxygen radicals, 67

antitumor activity, lactic acid bacteria, fibrosarcoma, Streptococcus thermophilus, 73

asbestos, ascorbic acid, benzo[a]pyrene asbestos, squamous metaplasia, 23

ascorbic acid, asbestos, benzo[a]pyrene asbestos, squamous metaplasia, 23

B16-F10, hyperoxia, 119

B16 melanoma, RA233, hypoxia, 127

benzo[a]pyrene, formaldehyde, DNA-protein cross-links, tracheal implants, DNA damage, 13

benzo[a]pyrene and its metabolites, skin carcinogenesis inhibition, tannic acid, green tea polyphenols, quercetin, 7

benzo[a]pyrene asbestos, ascorbic acid, asbestos, squamous metaplasia, 23

breast cancer, enzymes, histochemistry, response to chemotherapy, survival, prognosis, 225

breast cancer, retinoic acid, RNA polymerase, chemically induced N-methyl-N-nitrosourea, 1

breast cancer follow-up, mucin-like carcinoma-associated antigen, CA 15.3, carcinoembryonic antigen, 199

cancer cachexia, host liver, 231

5'-carboxy-N'-nitrosonornicotine, 4-methylnitrosamino)-1-(3-pyridyl)-1-butanone, N'-nitrosonornicotine, Nnitrosopyrrolidine, N-nitrosoproline, lung adenoma, 141

carcinoembryonic antigen, breast cancer follow-up, mucin-like carcinoma-associated antigen, CA 15.3, 199

carcinogen, hydroperoxide, tumor promoter, mouse skin, 169

carcinogenesis, rat, hamster, deuterium labeling, Nnitroso-compounds, 37

carcinogenesis modification, N-nitrosocimetidine, skin tumors, lung-tumors, mice, 159

carcinogenicity, fecapentaene, intrarectal administration, granuloma pouch, mouse skin, 49

carcinogenicity, middle distillates, mouse, early changes, 147

β-carotene, pancreatic carcinogenesis, rat, hamster, inhibition, selenium, 79

CA 15.3, breast cancer follow-up, mucin-like carcinomaassociated antigen, carcinoembryonic antigen, 199

cellular proliferation, colon, rodent, hyperbaric oxygen, tritiated thymidine, 207

changing patterns, gastric cancer, mortality, 99

characterization, human DT-diaphorase, purification, 103

chemically induced, retinoic acid, RNA polymerase, breast cancer, N-methyl-N-nitrosourea, 1

chemical carcinogenesis, mouse skin, tumor progression, acetic acid, 87

chromosome aberration, diesel exhaust particles, sister chromatid exchange, morphological transformation, 61

colon, cellular proliferation, rodent, hyperbaric oxygen, tritiated thymidine, 207

condensation, flow cytometry, light scattering, spectroscopy, intercalation, 185

⁵¹Cr release, human cancer cell lines, cytotoxicity, 1methyl-3-phenyl-1,2,4-triazinium-5-olate, 29

cytotoxicity, human cancer cell lines, 1-methyl-3-phenyl-1,2,4-triazinium-5-olate, 51Cr release, 29

cytotoxicity, macrophages, oxygen radicals, anticancer drugs, 67

cytotoxicity, murine leukemia cells, daunorubicin, ironcomplexes, 213

daunorubicin, murine leukemia cells, iron-complexes, cytotoxicity, 213

deuterium labeling, carcinogenesis, rat, hamster, Nnitroso-compounds, 37

diesel exhaust particles, chromosome aberration, sister chromatid exchange, morphological transformation, 61

diethylnitrosamine, dimethylnitrosamine, liver tumor promotion, phenobarbital, 133

dimethylnitrosamine, diethylnitrosamine, liver tumor promotion, phenobarbital, 133

DNA-methylase, DNA-methylation, 5-methyl-cytosine, N-hydroxy-N-acetylaminofluorene, DNA (cytosine-5-)-methyltransferase, 91

DNA-methylation, DNA-methylase, 5-methyl-cytosine, N-hydroxy-N-acetylaminofluorene, DNA (cytosine-5-)-methyltransferase, 91

DNA-protein cross-links, benzo[a]pyrene, formaldehyde, tracheal implants, DNA damage, 13

DNA (cytosine-5-)-methyltransferase, DNA-methylation, DNA-methylase, 5-methyl-cytosine, N-hydroxy-Nacetylaminofluorene, 91

DNA adducts, harman, norharman, ³²P-postlabelling analysis, 179

DNA damage, benzo[a]pyrene, formaldehyde, DNAprotein cross-links, tracheal implants, 13

DNA methyltransferase, zinc-deficiency, nitrosamine, O⁶-alkylguanine, 217

early changes, carcinogenicity, middle distillates, mouse, 147

Ehrlich ascites tumour, phosphoribosyl diphosphate, glucose transport, 43

enzymes, breast cancer, histochemistry, response to chemotherapy, survival, prognosis, 225

fecapentaene, carcinogenicity, intrarectal administration, granuloma pouch, mouse skin, 49

fibrosarcoma, antitumor activity, lactic acid bacteria, Streptococcus thermophilus, 73

flow cytometry, light scattering, spectroscopy, intercalation, condensation, 185

formaldehyde, benzo[a]pyrene, DNA-protein cross-links, tracheal implants, DNA damage, 13

gastric cancer, mortality, changing patterns, 99

glucose transport, Ehrlich ascites tumour, phosphoribosyl diphosphate, 43

granuloma pouch, fecapentaene, carcinogenicity, intrarectal administration, mouse skin, 49

green tea polyphenols, skin carcinogenesis inhibition, benzo[a]pyrene and its metabolites, tannic acid, quercetin, 7

growth factors, H-ras-transfected fibroblasts, metastatic potential, 193

H-ras-transfected fibroblasts, growth factors, metastatic potential, 193

hamster, carcinogenesis, rat, deuterium labeling, Nnitroso-compounds, 37

hamster, pancreatic carcinogenesis, rat, inhibition, β -carotene, selenium, 79

harman, norharman, DNA adducts, ³²P-postlabelling analysis, 179

histochemistry, breast cancer, enzymes, response to chemotherapy, survival, prognosis, 225

host liver, cancer cachexia, 231

human cancer cell lines, cytotoxicity, 1-methyl-3-phenyl-1,2,4-triazinium-5-olate, ⁵¹Cr release, 29

human DT-diaphorase, purification, characterization, 103

hydroperoxide, tumor promoter, carcinogen, mouse skin, 169

hyperbaric oxygen, colon, cellular proliferation, rodent, tritiated thymidine, 207

hyperoxia, B16-F10, 119

hypoxia, RA233, B16 melanoma, 127

inhibition, pancreatic carcinogenesis, rat, hamster, β -carotene, selenium, 79

intercalation, flow cytometry, light scattering, spectroscopy, condensation, 185

intrarectal administration, fecapentaene, carcinogenicity, granuloma pouch, mouse skin, 49

iron-complexes, murine leukemia cells, daunorubicin, cytotoxicity, 213

lactic acid bacteria, antitumor activity, fibrosarcoma, Streptococcus thermophilus, 73

light scattering, flow cytometry, spectroscopy, intercalation, condensation, 185

liver tumor promotion, diethylnitrosamine, dimethylnitrosamine, phenobarbital, 133

lung-tumors, N-nitrosocimetidine, carcinogenesis modification, skin tumors, mice, 159

lung adenoma, 4-(methylnitrosamino)-1-(3-pyridyl)-1butanone, N'-nitrosonornicotine, 5'-carboxy-N'nitrosonornicotine N-nitrosopyrrolidine, N-nitrosoproline, 141

macrophages, cytotoxicity, oxygen radicals, anticancer drugs, 67

metastatic potential, H-ras-transfected fibroblasts, growth factors, 193

1-methyl-3-phenyl-1,2,4-triazinium-5-olate, humar cancer cell lines, cytotoxicity, ⁵¹Cr release, 29

5-methyl-cytosine, DNA-methylation, DNA-methylase, N-hydroxy-N-acetylaminofluorene, DNA (cytosine-5-)-methyltransferase, 91

4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone, N'nitrosonornicotine, 5'-carboxy-N'-nitrosonornicotine,
N-nitrosopyrrolidine, N-nitrosoproline, lung
adenoma, 141

- mice, *N*-nitrosocimetidine, carcinogenesis modification, skin tumors, lung-tumors, 159
- middle distillates, carcinogenicity, mouse, early changes, 147
- morphological transformation, diesel exhaust particles, chromosome aberration, sister chromatid exchange, 61
- mortality, gastric cancer, changing patterns, 99
- mouse, carcinogenicity, middle distillates, early changes, 147
- mouse skin, chemical carcinogenesis, tumor progression, acetic acid, 87
- mouse skin, fecapentaene, carcinogenicity, intrarectal administration, granuloma pouch, 49
- $\begin{array}{lll} mouse & skin, & hydroperoxide, & tumor & promoter, \\ & carcinogen, 169 & \\ \end{array}$
- mucin-like carcinoma-associated antigen, breast cancer follow-up, CA 15.3, carcinoembryonic antigen, 199
- murine leukemia cells, daunorubicin, iron-complexes, cytotoxicity, 213
- N'-nitrosonornicotine, 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone, 5'-carboxy-N'-nitrosonornicotine, N-nitrosopyrrolidine, N-nitrosoproline, lung adenoma, 141
- N-hydroxy-N-acetylaminofluorene, DNA-methylation, DNA-methylase, 5-methyl-cytosine, DNA (cytosine-5-)-methyltransferase, 91
- N-methyl-N-nitrosourea, retinoic acid, RNA polymerase, breast cancer, chemically induced, 1
- N-nitroso-compounds, carcinogenesis, rat, hamster, deuterium labeling, 37
- N-nitrosoproline, 4-(methylnitrosamino)-1-(3-pyridyl)-1butanone, N'-nitrosonornicotine, carboxy-N'-nitrosonornicotine, N-nitrosopyrrolidine, lung adenoma, 141
- N-nitrosopyrrolidine, 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone, N'-nitrosonornicotine, carboxy-N'-nitrosonornicotine, N-nitrosoproline, lung adenoma, 141
- N-nitroso compounds, zarda tobacco, 113
- nitrosamine, zinc-deficiency, O⁶-alkylguanine, DNA methyltransferase, 217
- N-nitrosocimetidine, carcinogenesis modification, skin tumors, lung-tumors, mice, 159
- norharman, harman, DNA adducts, ³²P-postlabelling analysis , 179
- oxygen radicals, macrophages, cytotoxicity, anticancer drugs, 67
- 32P-postlabelling analysis , harman, norharman, DNA adducts, 179

- pancreatic carcinogenesis, rat, hamster, inhibition, β -carotene, selenium, 79
- phenobarbital, diethylnitrosamine, dimethylnitrosamine, liver tumor promotion, 133
- phosphoribosyl diphosphate, Ehrlich ascites turnour, glucose transport, 43
- prognosis, breast cancer, enzymes, histochemistry, response to chemotherapy, survival, 225
- purification, human DT-diaphorase, characterization, 103
- quercetin, skin carcinogenesis inhibition, benzo[a]pyrene and its metabolites, tannic acid, green tea polyphenols, 7
- RA233, hypoxia, B16 melanoma, 127
- rat, carcinogenesis, hamster, deuterium labeling, N-nitroso-compounds, 37
- rat, pancreatic carcinogenesis, hamster, inhibition, β -carotene, selenium, 79
- response to chemotherapy, breast cancer, enzymes, histochemistry, survival, prognosis, 225
- retinoic acid, RNA polymerase, breast cancer, chemically induced, N-methyl-N-nitrosourea, 1
- RNA polymerase, retinoic acid, breast cancer, chemically induced, N-methyl-N-nitrosourea, 1
- rodent, colon, cellular proliferation, hyperbaric oxygen, tritiated thymidine, 207
- selenium, pancreatic carcinogenesis, rat, hamster, inhibition, β-carotene, 79
- sister chromatid exchange, diesel exhaust particles, chromosome aberration, morphological transformation. 61
- skin carcinogenesis inhibition, benzo[a]pyrene and its metabolites, tannic acid, green tea polyphenols, quercetin, 7
- skin tumors, *N*-nitrosocimetidine, carcinogenesis modification, lung-tumors, mice, 159
- spectroscopy, flow cytometry, light scattering, intercalation, condensation, 185
- squamous metaplasia, ascorbic acid, asbestos, benzo[a]pyrene asbestos, 23
- Streptococcus thermophilus, antitumor activity, lactic acid bacteria, fibrosarcoma, 73
- survival, breast cancer, enzymes, histochemistry, response to chemotherapy, prognosis, 225
- tannic acid, skin carcinogenesis inhibition, benzo-[a]pyrene and its metabolites, green tea polyphenols, quercetin, 7

tracheal implants, benzo[a]pyrene, formaldehyde, DNAprotein cross-links, . DNA damage, 13

tritiated thymidine, colon, cellular proliferation, rodent, hyperbaric oxygen, 207

tumor progression, chemical carcinogenesis, mouse skin, acetic acid. 87

tumor promoter, hydroperoxide, carcinogen, mouse skin, 169

zarda tobacco, N-nitroso compounds, 113 zinc-deficiency, nitrosamine, O^6 -alkylguanine, DNA methyltransferase, 217

Author Index

Volume 42

Abbaspour, A.	141	Ingram, A.J.	147
Abney, N.L.	169	Inui, N.	61
Anderson, L.M.	159	Ioannoni, B.	29
Anjo, T.	49	iodinioni, D.	23
Athar, M.	7	Jacobsen, N.W.	29
,			
Bickers, D.R.	7	Kaklij, G.S.	73
Bieglmayer, C.	7	Kapuscinski, J.	185
	199 49	Keefer, L.K.	49
Bradford, W.W. Bresnick, E.	23	Kelkar, S.M.	73
Bresnick, E.	23	Kessel, D.	213
		Khan, W.A.	7
Cheung, T.	217	Kim, Y.S.	127
Choy, Y.M.	43	Klaunig, J.E.	133
Cosma, G.N.	13	Konishi, N.	49
		Kosmidis, P.A.	225
Damen, J.E.	193	Kovatch, R.M.	37, 159
Darzynkiewicz, Z.	185		
Delides, A.	225	Lam, W.P.	43
Delides, G.S.	225	Leung, Y.C.	231
Devor, D.E.	49	Lijinsky, W.	37
Dirheimer, G.	91	Lissaios, B.	227
Donovan, P.J.	49		
		Marchok, A.C.	13
Fong, L.Y.Y.	217	Margaretten, N.C.	119
Fornabaio, D.M.	127	Martin, L.F.	103
Fung, K.P.	43	Mehta, R.G.	1
	.0	Millan, J.	99
	00	Moon, R.C.	1
Garcia-Blanco, P.	99	Morimoto, K.	61
Giner-Sorolla, A.	159	Mukhtar, H.	7
Grasso, P.	147		
Greenberg, A.H.	193	Nagao, M.	179
Gudewicz, P.W.	67	Neunteufel, W.	199
		Nishi, Y.	61
Hagiwara, A.	159		
Hasegawa, M.M.	61	Ohannesian, L.	49
lawthorne, M.E.	1	Ohgaki, H.	179
Hecht, S.S.	141	Omar, R.A.	127
Henneman, J.R.	49		
Ho, Y.S.	217	Palmeiro, R.	99
Hoffmann, D.	141	Papaioanou, D.	225
Holtz, G.	23	Pavlakis, E.	225
łu, P.J.	207	Perchellet, E.M.	169

Perchellet, JP.	169	Thong, Y.H.	29
Pereira, M.A.	133	Tisdale, M.J.	231
Pfeifer, G.P.	91	Traganos, F.	185
Pfhol-Leszkowicz, A.	91	Tricker, A.R.	113
Preussmann, R.	113	Tsavaris, N.B.	225
,		Tsuda, H.	61
Rehm, S.	49, 159		
Reist, E.J.	49	van Garderen-Hoetmer, A.	79
Rice, J.M.	49, 159	Vuddhakul, V.	29
Riggs, C.W.	159	Vuddnakui, V.	2)
Rose, S.E.	29		
Rotstein, J.B.	87	Wakabayashi, K.	179
		Wallin, R.	103
Saavedra, J.E.	37	Wang, Z.Y.	7
Schwarz, L.C.	193	Ward, J.M.	49
Senra, A.	99	Wargovich, M.J.	207
Seow, W.K.	29	Weghorst, C.M.	133
Sharratt, M.	147	Wilhite, A.S.	13
Shenoy, M.A.	73	Witschi, H.P.	119
Slaga, T.J.	87	Woutersen, R.A.	79
Smith, D.	103	Wright, J.A.	193
Smith, G.T.	49		
Stackpole, C.W.	127	11 1 17	170
Streeter, A.J.	49	Yamashita, K.	179
Sugimura, T.	179		
Szepesi, T.	199	Zaharakis, M.	225

